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Substitute for form 1449A/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (use as many sheets as necessary)		<b>Complete if Known</b>	
Application Number	09/925,193		
Filing Date	August 9, 2001		
First Named Inventor	WINDER et al.		
Group Art Unit	3736		
Examiner Name			
Attorney Docket Number	41482/253466		
Sheet	1	of	3

U.S. PATENT DOCUMENTS						
Examiner Initials *	Cite No. 1	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)				
AK		US-1,063,782		06-03-1913	G.O. & C.A. Dickey	
		US-2,914,829		12-01-1959	L.F. Willemain	
		US-2,920,853		01-12-1960	J. Bufogle	
		US-3,521,225		07-21-1970	J.I. Kursman et al.	
		US-3,664,626		05-23-1972	L.J. Sneller	
		US-3,714,619		01-30-1973	Morgan et al.	
		US-3,729,162		04-24-1973	Frank J. Salvato	
		US-3,890,953		06-24-1975	Kraus et a.	
		US-4,141,524		02-27-1979	Louis Corvese, Jr.	
		US-4,229,992		10-28-1980	McKee et al.	
		US-4,291,025		09-22-1981	Michael A. Pellico	
		US-4,347,645		09-07-1982	Kazuo Iseki	
		US-4,407,044		10-04-1983	Kazuo Iseki	
		US-4,410,158		10-18-1983	Eugene R. Maffei	
		US-4,266,532		05-12-1981	Ryaby et al.	
		US-4,266,533		05-12-1981	Ryaby et al.	
		US-4,570,927		02-18-1986	Petrofsky et al.	
		US-4,689,986		09-01-1987	Carson et al.	
		US-4,725,272		02-16-1988	Robert M. Gale	
		US-4,917,376		04-17-1990	Lo	
		US-4,928,959		05-29-1990	Bassett et al.	
		US-5,230,646		07-27-1993	Douglas O. Thorup	
		US-5,368,044		11-29-1994	Cain et al.	
		US-5,425,954		06-20-1995	Thompson et al.	
		US-5,484,388		01-16-1996	Bassett et al.	
		US-5,665,141		09-1997	Vago	
		US-5,708,236		01-13-1998	Shaanan et al.	
		US-5,752,924		05-19-1998	Kaufman et al.	
		US-6,061,597		05-09-2000	Rieman et al.	
		US-6,088,613		07-11-2000	Unger	
		US-6,234,975 B1		05-22-2001	McLeod et al.	
		US-6,311,402 B1		11-06-2001	Brandl et al.	
		US-6,190,336		02-20-2001	Duarte et al.	
		US-6,322,527		11-27-2001	Roger J. Talish	
		US-6,355,006		03-12-2002	Ryaby et al.	
		US-6,406,443		06-18-2002	Roger J. Talish	
		US-6,436,060		08-20-2002	Roger J. Talish	
		US-6,443,898		09-2002	Unger	
		US-6,464,687		10-15-2002	Ishikawa et al.	
		US-6,503,214		01-07-2003	Roger J. Talish	
		US-6,524,261		02-25-2003	Talish et al.	
		US-6,685,656		02-03-2004	Duarte et al.	
		US-6,733,468		05-11-2004	Roger J. Talish	
		US-6,932,308		08-23-2005	Talish et al.	
		US-2002/0016557		02-07-2002	Duarte	
		US-2003/0153848		08-14-2003	Talish	
		US-2003/0153849		08-14-2003	Huckle	

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Substitute for form 1449B/PTO				<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)				<i>Application Number</i>	09/925,193
				<i>Filing Date</i>	August 9, 2001
				<i>First Named Inventor</i>	WINDER et al
				<i>Art Unit</i>	3736
				<i>Examiner Name</i>	David J. Isabella
Sheet	2	of	3	<i>Attorney Docket Number</i>	41482/253466

**U.S. PATENT DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Document Number Number- Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
↓		US-2004/0127790 A1	07-01-2004	Lang et al.	
		US-2005/0096548 A1	05-05-2005	Talish	
		D380440	07-01-1997	Talish et al.	

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		<i>Art Unit</i>	3736
		<i>Examiner Name</i>	David J. Isabella
<i>(Use as many sheets as necessary)</i>		<i>Attorney Docket Number</i>	41482/253466
Sheet	3	of	3

NON PATENT LITERATURE DOCUMENTS			
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JW		Photographs of Vibrations Platform Built by Julio Tous, Uniuersitat Ramon Llull, Barcelona, Spain (7 pages, 2002)	
		Photographs of Exercise Ergometer Developed by Biodex Medical Systems, Shirley, New York (3 pages, 2002)	
↓		"Generation of Electric Potentials by Bone in Response to Mechanical Stress," <i>Science Magazine</i> , 137, 1063-1064 (09/28/02)	

Examiner Signature		Date Considered	9-21-06
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>		Application Number	09/925,193
		Date Filed:	August 9, 2001
		First Named Inventor	Winder
		Group Art Unit	3736
		Examiner Name	
Sheet 1 of 1	Attorney Docket Number	41482/253466	

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U.S. PATENT DOCUMENTS					
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		Number - Kind Code <sup>2</sup> (if known)			
AJ		6,258,020 B1	07/10/2001	Lopez	
		6,050,943	04/18/2000	Slayton, et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials *	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>3</sup>
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				
AJ		WO 00/67846	11/16/2000	PCT		

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
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<b>Form PTO-1449</b>  <b>INFORMATION DISCLOSURE CITATION</b> <b>IN AN APPLICATION</b> <i>(Use several sheets if necessary)</i>	<b>Docket No.:</b> 41482/253466	<b>Application No.:</b> 09/925,193
	<b>Applicant:</b> Alan A. Winder, et al.	
	<b>Filing Date:</b> August 9, 2001	<b>Group Art Unit:</b> 3736

**U.S. PATENT DOCUMENTS**

Examiner Initial	Patent Number	Date	Patentee	Class	Subclass	Translation
<i>AW</i>	1,604,870	10/26/1926	Asman			
	3,304,036	02/14/1967	Davis			
	4,037,592	07/26/1977	Kronner			
	4,108,165	08/22/1978	Kopp, et al.			
	4,431,038	02/14/1984	Rome			
	4,669,483	06/02/1987	Hepp, et al.			
	6,394,955 B1	05/28/2002	Perlitz			
	6,355,006 B1	03/12/2002	Ryaby, et al.			

**NON U.S. DOCUMENTS**

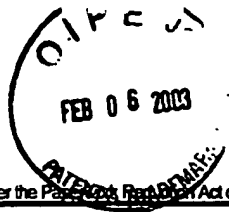
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Substitute for form 1449A/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 2

### Complete if Known

Application Number	09/925,193
Filing Date	August 9, 2001
First Named Inventor	Talish, et al.
Group Art Unit	3736
Examiner Name	
Attorney Docket Number	41482-253466

### U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
[Signature]		5,702,389	12/30/97	Taylor, et al.	RECEIVED FEB 11 2003 TECHNOLOGY CENTER R3700
		5,728,095	03/17/98	Taylor, et al.	
		5,891,143	04/06/99	Taylor, et al.	
		5,962,790	10/05/99	Lynnworth, et al.	
		5,971,984	10/26/99	Taylor, et al.	
		6,030,386	02/29/00	Taylor, et al.	

### FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				
[Signature]		WO 99/58080	11/18/99	PCT		
		0 965 839 A1	12/22/99	Europe		

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<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04.  
<sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of.



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		Attorney Docket Number	41482-253466
Sheet	2	of	2

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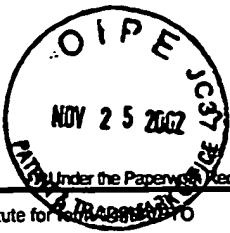
OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
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[Signature]		Caplan, et al., <i>Clinical Orthopaedics and Related Research</i> , No. 342:254-269 (1997)	
[Signature]		Moran, et al., <i>The Journal of Bone and Joint Surgery</i> , 74-B:659-667 (1992)	

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Substitute for Form PTO/US 2001-11		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		Application Number	09/925,193
		Filing Date	August 9, 2001
		First Named Inventor	Talish, et al.
		Group Art Unit	3736
		Examiner Name	
Sheet 1 of 2	Attorney Docket Number	41482-253466	

U.S. PATENT DOCUMENTS					
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		Number - Kind Code <sup>2</sup> (if known)			
↓		US- 4,476,847	10/16/84	Taenzer, et al.	
		US-5,181,512	01/26/93	Viebach, et al.	
		US-5,254,123	10/19/93	Bushéy	
		US- 5,307,284	04/26/94	Brunfeldt, et al.	
		US- 5,424,550	06/13/95	Kawano, et al.	
		US- 5,626,630	05/06/97	Markowitz, et al.	
		US-5,899,425	05/04/99	Corey Jr., et al.	
		US-6,022,349	02/08/00	McLeod, et al.	
		US-6,068,596	05/30/00	Weth, et al.	
		US-6,179,797	01/30/01	Brotz	
		US-6,261,221	07/17/01	Tepper, et al.	
	US- 6,360,027	03/19/02	Hossack, et al.		

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FOREIGN PATENT DOCUMENTS							
Examiner Initials *	Cite No. <sup>1</sup>	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)					
↓		WO 85/03449		08/15/85	Ben-Dov		
		DE 4111055 A1		10/10/91	Ronge jun.		
		DE 29811185 U1		10/01/98	Rhee		
		WO 00/03663*		01/27/00	Hagenmeyer		
		AU 19950292		02/07/00	Hagenmeyer		
		WO 00/76406		12/21/00	Winder et al.		

\*For English version see related Australian Application No. 19950292

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Sheet 2 of 2	Attorney Docket Number	41482-253466	

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M	-	Pethica, B.A., et al., Abstract, Biological Repair and Growth Society, June 1998.	
	-	Goodship, et al., "Low magnitude high frequency mechanical stimulation of endochondral bone repair" 43 <sup>rd</sup> Annual Meeting Orthopaedic Research Society, vol. 22, Sec. 1, Feb. 9-13 (1997)	
	-	Y. Qin, et al., "Correlation of In Vivo Bone Adaptation and Mechanical Parameters Using Low Magnitude, High Frequency Loading," 41 <sup>st</sup> Annual Meeting Orthopaedic Research Soc., vol. 20 - Sec. 1, Feb. 13-16 (1995)	
	-	Grewe, et al., "Acoustic Properties of Particle Polymer Composite for Ultrasonic Transducer Backing Applications," <i>IEEE</i> , (1990)	
	-	Wu and Cubberly, "Measurement of Velocity and Attenuation of Shear Waves in Bovine Compact Bone Using Ultrasonic Spectroscopy," <i>Med. &amp; Biol.</i> , Vol. 23, No. 1, 129-134, 1997.	
	-	Pilla, et al., "Non-Invasive Low-Intensity Pulsed Ultrasound Accelerates Bone Healing in the Rabbit," <i>Journal of Orthopaedic Trauma</i> , Vol. 4, No. 3, pp. 246-253 (1990)	
	-	Bascom, "Other Continuous Fibers," 118/Constituent Material Form	
	-	Bascom, "Other Discontinuous Forms," 120/Constituent Material Forms	
		Niemczewaki, B., "A Comparison of Ultrasonic Cavitation Intensity in Liquids," <i>Ultrasonics</i> , May 1980, pp. 107-110.	

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Sheet 1 of 1

Form P-1449 PATENT & TRADEMARK OFFICE <b>INFORMATION DISCLOSURE          CITATION          IN AN APPLICATION</b> <i>(Use several sheets if necessary)</i>	Docket No.: <b>41482-253466</b>	Application No. <b>09/925,193</b>
	Applicant: <b>Winder et al.</b>	
	Filing Date: <b>August 9, 2001</b>	Group Art Unit <b>3736</b>

**NON-U.S. PATENT DOCUMENTS**

Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation
<i>MA</i>	HEI 4[1992]-82567	03/16/92	JAPAN			

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**OTHER MATERIAL**

Examiner Initial	OTHER MATERIAL
<i>MA</i>	Cass, "Fabrication of Continuous Ceramic Fiber by the Viscous Suspension Spinning Process," <i>Ceramic Bulletin</i> , Vol. 70, No. 3, pp. 424-429 (1991)
	Clarke, P.R. et al., "Physical and Chemical Aspects of Ultrasonic Disruption of Cells", <i>JASA</i> (1969), 47(2): 649-653.
	Hill, C.R., "Ultrasonic Exposure Thresholds for Changes in Cells and Tissues", <i>JASA</i> (1972), 52(2): 667-672.
	McLeod, et al., "Improved Postural Stability Following Short Term Exposure to Low Level Whole Body Vibration," 44 <sup>th</sup> Annual Meeting, Orthopaedic Research Society, March 16-19, 1998, New Orleans, Louisiana, page 89-15
	Phoenix (Business Wire), July 8, 1997 via CompanyLink - OrthoLogic Corp.
	Pilgrim, et al., "An Extension of the Composite Nomenclature Scheme," <i>Med. Res. Bull.</i> , Vol. 22, pp. 877-894 (1987)
	"Reflex Sympathetic Dystrophy, Does RSD Exist?" <a href="http://www.arbon.com">www.arbon.com</a> (06/04/97)
	"Reflex Sympathetic Dystrophy: The Pain That Doesn't Stop," <a href="http://tcc.cc.nc.us">tcc.cc.nc.us</a> (06/04/97)
	RSDnet.org "Reflex Sympathetic Dystrophy," <a href="http://www.rsdnet.org">www.rsdnet.org</a> (06/04/97)
	RSDnet.org "Reflex Sympathetic Dystrophy," <a href="http://www.rsdnet.org">www.rsdnet.org</a> (06/04/97)
	Tavakoli and Evans, "The Effect of Bone Structure on Ultrasonic Attenuation and Velocity," <i>Ultrasonics</i> , Vol. 30, No. 6 (1992)


Examiner: <i>MA</i>	Date Considered: <b>9-21-06</b>
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.	



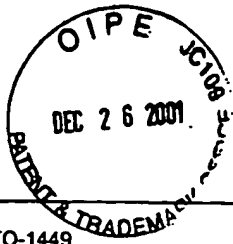
Form PTO-1449  <b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b> (Use several sheets if necessary)	Docket No.: <b>41482-253466</b>	Application No. <b>09/925,193</b>
	Applicant: <b>Winder et al.</b>	
	Filing Date: <b>August 9, 2001</b>	Group Art/Unit: <b>27 2001</b>

**U.S. PATENT DOCUMENTS**

Examiner Initial	Patent Number	Date	Patentee	Class	Subclass
M	32,782	11/15/88	Pratt, Jr.		
	34,959	05/30/95	Potts		
	3,134,451	05/26/64	Hanssen		
	3,193,034	07/06/65	Hutchinson, et al.		
	3,310,049	03/21/67	Clynes		
	3,433,663	03/18/69	Underwood		
	3,499,437	03/10/70	Balamuth		
	3,550,586	12/29/70	Balamuth		
	3,594,993	07/27/71	Heyse		
	3,701,352	10/31/72	Bosworth		
	3,760,799	09/25/73	Crowson		
	3,767,195	10/23/73	Dimick		
	3,828,769	08/13/74	Mettler		
	3,855,638	12/24/74	Pilliar		
	3,961,380	06/08/76	Garr		
	3,986,212	10/19/76	Sauer		
	4,105,017	08/08/78	Ryaby et al.		
	4,127,125	11/28/78	Takemoto et al.		
	4,164,794	08/21/79	Spector, et al.		
	4,170,045	10/09/79	Estes		
4,176,664	12/04/79	Talish			
4,206,516	06/10/80	Pilliar			
4,216,766	08/12/80	Duykers, et al.			
4,227,111	10/07/80	Cross, et al.			
4,233,477	11/11/80	Rice, et al.			
4,269,797	05/26/81	Mikiya, et al.			
4,296,753	10/27/81	Goudin			
4,312,536	01/26/82	Lloyd			
4,315,503	12/16/82	Ryaby et al.			
4,351,069	09/28/82	Ballintyn, et al.			
4,355,428	10/26/82	Deloison, et al.			
4,358,105	11/09/82	Sweeney, Jr.			
4,361,154	11/30/82	Pratt, Jr.			
4,365,359	12/28/82	Raab			
4,383,533	05/17/83	Bhagat et al.			
4,421,119	12/20/83	Pratt, Jr.			

Examiner: 	Date Considered: <b>9-21-01</b>
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Form PTO-1449  INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)	Docket No.: 41482-253466	Application No. 7 2001 09/925,193
	Applicant: Winder et al.	
	Filing Date: August 9, 2001	TECHNOLOGY CENTER R3700  Group Art Unit

U.S. PATENT DOCUMENTS

Examiner Initial	Patent Number	Date	Patentee	Class	Subclass
M	4,440,025	04/03/84	Hayakawa, et al.		
	4,441,486	04/10/84	Pounds		
	4,446,586	05/08/84	Reed et al.		
	4,452,326	06/05/84	Hanssen, et al.		
	4,511,921	04/16/85	Harlan et al.		
	4,530,360	07/23/85	Duarte		
	4,536,894	08/27/85	Galante, et al.		
	4,542,539	09/24/85	Rowe, Jr., et al.		
	4,542,744	09/24/85	Barnes et al.		
	4,550,714	11/85	Talish		
	4,556,066	12/03/85	Semrow		
	4,570,640	02/18/86	Barsa		
	4,573,996	03/04/86	Kwiatek, et al.		
	4,594,662	06/10/86	Devaney		
	4,612,160	09/16/86	Donlevy, et al.		
	4,627,429	12/09/86	Tsuk		
	4,630,323	12/23/86	Sage et al.		
	4,644,942	02/24/87	Sump		
	4,677,438	06/30/87	Michiguchi et al		
	4,687,195	08/18/87	Potts		
	4,708,127	11/24/87	Abdelghani		
	4,770,184	09/13/88	Greene, Jr. et al.		
	4,710,655	12/01/87	Masaki		
	4,726,099	02/23/88	Card		
	4,763,661	08/16/88	Sommer et al.		
	4,774,959	10/04/88	Palmer et al.		
	4,782,822	11/08/88	Ricken		
	4,787,070	11/22/88	Suzuki et al.		
	4,787,888	11/29/88	Fox		
	4,792,336	12/20/88	Hlavacek, et al.		
4,802,477	02/07/89	Gabbay			
4,830,015	05/16/89	Okazaki			
4,836,316	06/06/89	Carnevale, et al.			
4,855,911	08/08/89	Lele et al.			
4,858,599	08/22/89	Halpern			
4,867,169	09/19/89	Machida et al.			

Examiner: 	Date Considered: 9-21-06
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Form PTO-1449  INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)	Docket No.: 41482-253466	Application No. 09/925,193
	Applicant: Winder et al.	
	Filing Date: August 9, 2001	Group Art Unit TECHNOLOGY

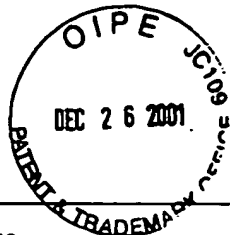
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**U.S. PATENT DOCUMENTS**

Examiner Initial	Patent Number	Date	Patentee	Class	Subclass
M	4,891,849	01/09/90	Robinson		
	4,905,671	03/06/90	Senge et al.		
	4,913,157	04/03/90	Pratt, Jr. et al.		
	4,917,092	04/17/90	Todd, et al.		
	4,926,870	05/22/90	Brandenburger		
	4,932,951	06/12/90	Liboff et al.		
	4,933,230	06/12/90	Card, et al.		
	4,936,303	06/26/90	Detwiler et al.		
	4,941,474	07/17/90	Pratt, Jr.		
	4,947,853	08/14/90	Hon		
	4,979,501	12/25/90	Valchanov et al.		
	4,982,730	01/08/91	Lewis, Jr.		
	4,986,275	01/22/91	Ishida et al.		
	4,993,413	02/19/91	McLeod et al.		
	4,995,883	02/26/91	Demane, et al.		
	5,000,183	03/19/91	Bonnefous		
	5,000,442	03/19/91	Dalebout, et al.		
	5,003,965	04/02/91	Talish et al.		
	5,004,476	04/02/91	Cook		
	5,016,641	05/21/91	Schwartz		
	5,018,285	05/28/91	Zolman, et al.		
	5,046,484	09/10/91	Bassett, et al.		
	5,054,490	10/08/91	Rossmann et al.		
	5,067,940	11/26/91	Liboff et al.		
	5,080,672	01/14/92	Bellis		
	5,088,976	02/18/92	Liboff et al.		
	5,099,702	03/31/92	French		
	5,100,373	03/31/92	Liboff et al.		
	5,103,806	04/14/92	McLeod et al.		
	5,106,361	04/21/92	Liboff et al.		
5,107,853	04/28/92	Plyter			
5,108,452	04/28/92	Fallin			
5,133,420	07/28/92	Smith			
5,134,999	08/04/92	Osipov			
5,139,498	08/18/92	Astudillo Ley			
5,140,988	08/25/92	Stouffer et al.			
5,143,069	09/01/92	Kwon et al.			

Examiner: Date Considered: 9-21-06

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Form PTO-1449  <b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b> (Use several sheets if necessary)	Docket No.: <b>41482-253466</b>	Application No.: <b>09/925,193</b>
	Applicant: <b>Winder et al.</b>	
	Filing Date: <b>August 9, 2001</b>	Group Art Unit: <b>TECHNOLOGY CENTER R3700</b>

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**U.S. PATENT DOCUMENTS**

Examiner Initial	Patent Number	Date	Patentee	Class	Subclass
[Handwritten Initial]	5,143,073	09/92	Dory		
	5,163,598	11/17/92	Peters, et la.		
	5,172,692	12/22/92	Kulow et al.		
	5,178,134	01/12/93	Vago		
	5,184,605	02/09/93	Grzeszykowski		
	5,186,162	02/16/93	Talish et al.		
	5,191,880	03/09/93	McLeod et al.		
	5,197,475	03/30/93	Antich et al.		
	5,201,766	04/13/93	Georgette		
	5,209,221	05/11/93	Riedlinger		
	5,211,160	05/18/93	Talish et al.		
	5,230,334	07/27/93	Klopotek		
	5,230,345	07/27/93	Curran, et al.		
	5,230,921	07/27/93	Waltonen, et al.		
	5,235,981	08/17/93	Hascoet et al.		
	5,259,384	11/09/93	Kaufman et al.		
	5,269,306	12/14/93	Warnking, et al.		
	5,273,028	12/28/93	McLeod, et al.		
	5,284,143	02/08/94	Rattner		
	5,285,788	02/15/94	Arenson et al.		
	5,295,931	03/22/94	Dreibelbis, et al.		
	5,301,683	04/12/94	Durkan		
	5,309,898	05/10/94	Kaufman et al.		
	5,310,408	05/10/94	Schryver, et al.		
	5,314,401	05/24/94	Tepper		
	5,316,000	05/31/94	Chapelon, et al.		
	5,318,561	06/07/94	McLeod et al.		
	5,318,779	06/07/94	Hakamatsuka, et al.		
	5,322,067	06/21/94	Prater et al.		
	5,323,769	06/28/94	Bommannan, et al.		
5,327,890	07/12/94	Matura et al.			
5,330,481	07/19/94	Hood, et al.			
5,330,489	07/19/94	Green, et al.			
5,334,214	08/02/94	Putnam			
5,339,804	08/23/94	Kemp			
5,340,510	08/23/94	Bowen			
5,351,389	10/04/94	Erickson et al.			

Examiner: 	Date Considered: <b>9-21-01</b>
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Form PTO-1449  INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)	Docket No.: 41482-253466	Application No. 09/925,193
	Applicant: Winder et al.	
	Filing Date: August 9, 2001	Group Art Unit

U.S. PATENT DOCUMENTS

Examiner Initial	Patent Number	Date	Patentee	Class	Subclass
MM	5,363,850	11/15/94	Soni et al.		
	5,366,465	11/22/94	Mirza		
	5,367,500	11/22/94	Ng		
	5,376,065	12/27/94	McLeod et al.		
	5,380,269	01/10/95	Urso		
	5,386,830	02/07/95	Powers et al.		
	5,393,296	02/28/95	Rattner		
	5,394,878	03/07/95	Frazin et al.		
	5,398,290	03/14/95	Brethour		
	5,400,795	03/28/95	Murphy, et al.		
	5,405,389	04/11/95	Conta, et al.		
	5,409,446	04/25/95	Rattner		
	5,413,550	05/09/95	Castel		
	5,415,167	05/16/95	Wilk		
	5,417,215	05/23/95	Evans et al.		
	5,431,612	07/11/95	Holden		
	5,434,827	07/18/95	Bolorforosh		
	5,441,051	08/15/95	Hileman et al		
	5,441,058	08/15/95	Fareed		
	5,448,994	09/12/95	Iinuma		
	5,460,595	10/24/95	Hall, et al.		
	5,466,215	11/14/95	Lair, et al.		
	5,468,220	11/21/95	Sucher		
	5,476,438	12/19/95	Edrich, et al.		
	5,478,306	12/26/95	Stoner		
	5,492,525	02/20/96	Gibney		
	5,495,846	03/05/96	Uehara et al.		
	5,496,256	03/05/96	Bock et al.		
	5,501,657	03/26/96	Feero		
	5,507,800	04/16/96	Strickland		
5,507,830	04/16/96	DeMane, et al.			
5,509,933	04/23/96	Davidson, et al.			
5,520,612	05/28/96	Winder et al.			
5,524,624	06/11/96	Tepper, et al.			
5,526,815	06/18/96	Granz, et al.			
5,541,489	07/30/96	Dunstan			
5,547,459	08/20/96	Kaufman et al.			
5,556,372	09/17/96	Talish et al.			
5,578,060	11/26/96	Pohl et al.			

Examiner:	Date Considered: 9-21-06
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Form PTO-1449  <b>INFORMATION DISCLOSURE CITATION</b> IN AN APPLICATION (Use several sheets if necessary)	Docket No.: <b>41482-253466</b>	Application No. 09/925,193
	Applicant: <b>Winder et al.</b>	
	Filing Date: August 9, 2001	Group Art Unit <b>TECHNOLOGY CENTER</b>

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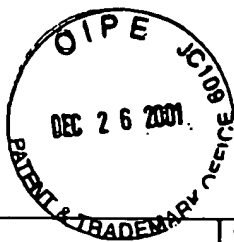
**U.S. PATENT DOCUMENTS**

Examiner Initial	Patent Number	Date	Patentee	Class	Subclass
Sub.	5,615,466	04/01/97	Safari, et al.		
	5,626,554	05/06/97	Ryaby, et al.		
	5,630,837	05/20/97	Crowley		
	5,648,941	07/15/97	King		
	5,656,016	08/12/97	Ogden		
	5,680,863	10/28/97	Hossack, et al.		
	5,690,608	11/25/97	Watanabe, et al.		
	5,691,960	11/25/97	Gentilman, et al.		
	5,699,803	12/23/97	Carodiskey		
	5,702,353	12/30/97	Guzzini, et al.		
	5,708,236	01/13/98	Shaanan, et al.		
	5,706,818	01/13/98	Gondo		
	5,721,400	02/24/98	Haraldsson, et al.		
	5,725,482	03/10/98	Bishop		
	5,730,705	03/24/98	Talish, et al.		
	5,738,625	04/14/98	Gluck		
	5,741,317	04/21/98	Ostrow		
	5,743,862	04/28/98	Izumi		
	5,755,746	05/26/98	Lifshey, et al.		
	5,762,616	06/09/98	Talish		
	5,779,600	07/14/98	Pape		
	5,785,656	07/28/98	Chiabrera, et al.		
	5,818,149	10/06/98	Safari et al.		
	5,829,437	11/03/98	Bridges		
	5,868,649	02/09/99	Erickson, et al.		
	5,871,446	02/16/99	Wilk		
	5,886,302	03/23/99	Germanton, et al.		
	5,904,659	05/18/99	Duarte, et al.		
	5,957,814	09/28/99	Eschenbach		
	5,997,490	12/07/99	McLeod, et al.		
	6,019,710	02/01/00	Dalebout, et al.		
	6,080,088	06/27/00	Petersen, et al.		
	6,086,078	07/11/00	Ferez		
	6,093,135	07/25/00	Huang		
	6,165,144	12/26/00	Talish, et al.		
	6,206,843	03/2001	Iger, et al.		
	6,213,958	04/10/01	Winder		
	6,261,249	07/17/01	Talish, et al.		
	6,273,864	08/14/01	Duarte		

Examiner: 	Date Considered: 9-21-01
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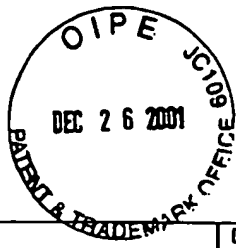
Form PTO-1449  INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)	Docket No.: 41482-253466	Application No.: 09/925,193
	Applicant: Winder et al.	
	Filing Date: August 9, 2001	Group Art Unit:

**NON U.S. DOCUMENTS**

Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation
	2156983A	10/16/85	UK			
	0 181 506 A2	05/21/86	Europe			
	SHO 62[1987]-47359	03/02/87	JAPAN			
	DE 3639263 A1	06/25/87	Germany			
	WO 88/00845	02/11/88	PCT			
	WO 88/02250	04/07/88	PCT			
	331 348 A1	09/06/89	Europe			
	** Patent Abstracts vol. 013, n. 541 (E-854)	12/05/89	Japan			
	WO 90/06720	06/28/90	PCT			
	** HEI 4[1992]-82567	03/16/92	JAPAN			
	HEI 4[1992]-82568	03/16/92	JAPAN			
	HEI 4[1992]-82569	03/16/92	JAPAN			
	0 536 875 A1	04/14/93	Europe			
	HEI 5[1993]-269159	10/19/93	JAPAN			
	1,328,485	04/12/94	CA			
	WO 94/13411	06/23/94	PCT			
	2277448A	11/02/94	UK			
	WO 95/03744	02/09/95	PCT			
	0 679 371 A1	11/02/95	Europe			
	WO 95/33416	12/14/95	PCT			
	EP 0 695 559	02/07/96	Europe			
	WO 96/25112	08/22/96	PCT			
	WO 96/25888	08/29/96	PCT			
	DE 19613425	01/16/97	Germany			
	2 303 552 A	02/26/97	UK			
	WO 97/33649	09/18/97	PCT			
	WO 98/10729	03/19/98	PCT			
	WO 98/34578	08/13/98	PCT			
	WO 98/47570	10/29/98	PCT			
	WO 99/18876	04/22/99	PCT			
	WO 99/22652	05/14/99	PCT			
	WO 99/48621	09/30/99	PCT			
	WO 99/56829	11/11/99	PCT			
	WO 00/28925	05/25/00	PCT			
	WO 00/71207	11/30/00	PCT			

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Sheet 8 of 10 of: 27  
 Application No. 09/251193  
 09/25/1993  
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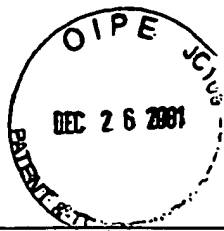
Form PTO-1449  INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)	Docket No.: 41482-253466	Application No. 09/251193
	Applicant: Winder et al.	
	Filing Date: August 9, 2001	Group Art Unit

**OTHER MATERIAL**

Examiner Initial	Including Author, Title, Date, Pertinent Pages, Etc.
	ABSTRACT, (Proceedings of the 11 <sup>th</sup> Int'l. Conference on Medical and Biological Engineering) "ULTRASONIC STIMULATION OF FRACTURE HEALING", 1976.
	ABSTRACT, (Proceedings of the III Congress on Biomedical Engineering) "ULTRASONIC ACTION ON CALLUS FORMATION IN BONES", 1975.
	ABSTRACT, (Proceedings of the IV Brazilian Congress on Biomedical Engineering) "ULTRASOUND IN THE TREATMENT OF FRACTURES", 1977.
	ASTM Designation: D790M-93 Metric, "Standard Test Methods for flexural Properties of Unreinforced and Reinforced Plastics and Electrical Insulating Materials [Metric]", pp. 176-184, (Dec. 1993).
	ASTM Designation: C1161-90, "Standard Test Method for Flexural Strength of Advanced Ceramics at Ambient Temperature," pp.324-330.(Feb. 1991)
	Brochure: "The Science Behind the Technology," distributed by Smith & Nephew for EXOGEN. (no date)
	Arai et al., "THE EFFECT OF ULTRASONIC STIMULATION ON DISUSE OSTEOPOROSIS", BRAGS 17, 1993.
	Bemidge, M.J., "Inositol Triphosphate and Calcium Signaling", <i>Nature</i> (1993), 361: 315-325.
**	Clarke, P.R. et al., "Physical and Chemical Aspects of Ultrasonic Disruption of Cells", <i>JASA</i> (1969), 47(2): 649-653.
	Duarte, L.R., "The Stimulation of Bone Growth by Ultrasound", <i>Arch. Orthop. Trauma Surg</i> (1983), 101: 153-159.
	Dyson, M., "Therapeutic Applications of Ultrasound", <i>Biological Effects of Ultrasound</i> (1985), Nyborg, W.L. and Ziskin, M.C., eds: Churchill Livingstone Inc., New York, Chapter 11.
	Goodship, A.E. et al., "The Influence of Induced Micromovement Upon the Healing of Experimental Tibial Fractures", <i>J. Bone and Joint Surg.</i> (1985), 67-B(4): 650-655.
	Heckman, J.D. et al., "Acceleration of Tibial Fracture Healing by Non-Invasive Low-Intensity Pulsed Ultrasound", <i>J. Bone and Joint Surg.</i> (1994), 76-A(1): 26-34.
**	Hill, C.R., "Ultrasonic Exposure Thresholds for Changes in Cells and Tissues", <i>JASA</i> (1972), 52(2): 667-672.
	Howkins, S.D., "Diffusion Rates and the Effect of Ultrasound", <i>Ultrasonics</i> (1969), 129-130.
	Kristiansen, T.K. et al., "Accelerated Healing of Distal Radial Fractures with the Use of Specific, Low-Intensity Ultrasound", <i>J. Bone and Joint Surg.</i> (1997), 79-A(7) 961-973.
	Maurice Hilario, "LOW-INTENSITY ULTRASOUND RADIATION IN THE TISSUE REPAIR OF TROPHIC LEG ULCERS", 1983, University of Sao Paulo, pp. 1-125.
**	Pethica, B.A., et al., Abstract, Biological Repair and Growth Society, June 1998.
**	Phoenix (Business Wire), July 8, 1997 via CompanyLink - OrthoLogic Corp.
**	Pilla, A.A. et al., "Non-Invasive Low-Intensity Ultrasound Accelerates Bone Repair: Rabbit Fibula Model and Human Colles' and Tibial Fractures", <i>Annual Intl. Conference of IEEE-EMBS Proceedings</i> (1990), 12:1573-1574.
**	"Reflex Sympathetic Dystrophy, Does RSD Exist?" <a href="http://www.arbon.com">www.arbon.com</a> (06/04/97)"
**	"Reflex Sympathetic Dystrophy: The Pain That Doesn't Stop," <a href="http://tcc.cc.nc.us">tcc.cc.nc.us</a> (06/04/97)
**	RSDnet.org "Reflex Sympathetic Dystrophy," <a href="http://www.rsdnet.org">www.rsdnet.org</a> (06/04/97)
**	RSDnet.org "Reflex Sympathetic Dystrophy," <a href="http://www.rsdnet.org">www.rsdnet.org</a> (06/04/97)
	Ter Haar, G., et al., "Basic Physics of Therapeutic Ultrasound", <i>Physiotherapy</i> (1987), 73(3): 110-113.
	Wallace, A.L.; Draper E.R.C.; Strachan, R.K.; McCarthy, I.D.; Hughes, S.P.F., "The Vascular Response to Fracture Micromovement", <i>Clinical Orthopaedics and Related Research</i> (1994), 301: 281-290.
	Wang, S.J. et al., "Low-Intensity Ultrasound Treatment Increases Strength in a Rat Femoral Fracture Model", <i>J. Ortho Research</i> (1994), 12: 40-47.
	Webster, D.F. et al., "The Role of Ultrasound-Induced Cavitation in the 'In Vitro' Stimulation of Collagen Synthesis in Human Fibroblasts", <i>Ultrasonics</i> (1980), 33-37.
✓	Yang, K.H. et al., "Exposure to Low-Intensity Ultrasound Treatment Increases Aggrecan Gene Expression in a Rat Femur Fracture Model", <i>J. Ortho Research</i> (1996), 14:802-809.

Examiner:	Date Considered: 9-21-06
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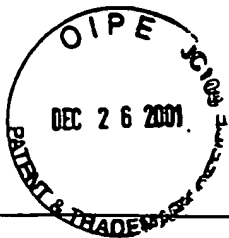
Form PTO-1449  INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)	Docket No.: 41482-253466	Application No. 09/925.193
	Applicant: Winder et al.	
	Filing Date: August 9, 2001	Group Art Unit

**OTHER MATERIAL**

Examiner Initial	Including Author, Title, Date, Pertinent Pages, Etc.
MS	"Treatment of Osteochondral Defects in Rabbits with SAFHS – Parts I and II, EX1095-01R, EX1096-01R
	"Treatment of Osteochondral Defects in Rabbits with SAFHS – Part III, EX1097-01R (August 26, 1997).
	Cook, Stephen and L. Patron, "Treatment of Osteochondral Defects in Rabbits with SAFHS – A Mosaicplasty Model" – Final Report, EX1098-04R (August 12, 1999).
	Acoustic Emission – An Update, by Arthur E. Lord, Jr., 1981, Physical Acoustics, vol. XV, pp. 295-360
	Acoustic Emission and Diagnosis of Osteoporosis, by S. Hanagud, G. T. Hannon and R. Clinton, 1974, Ultrasonic Symposium Proceedings (IEEE), pp. 77-81
	Acoustic Emission in Bone Substance, by S. Hanagud, R.G. Clinton and J.P. Lopez, 1973, Biomechanics Symposium Proceedings (ASME), pp. 79-81
	Acoustic Emission Inspection, by Adrian A. Pollock, 1992, ASM Handbook, vol. 17, Nondestructive Evaluation and Quality Control, pp. 278-293
	Acoustic Emission Techniques in the Development of a Diagnostic Tool for Osteoporosis, by S. Hanagud and R. G. Clinton, 1975, Ultrasonic Symposium Proceedings (IEEE), pp. 41-45
	Application of an intelligent signal processing system to acoustic emission analysis, by Igo Grabec and Wolfgang Sachse, Mar. 1989, Acoustic Society of America, pp. 787-791
	Application of correlation techniques for localization of acoustic emission sources, by I. Grabec, 1978, IPC Business Press Ltd., pp. 111-115
	Cornejo, et al., "Large-Area Flexible-Array Piezoelectric Ceramic/Polymer composite Transducer for Bone Healing Acceleration," presented at ISAFXI, Montreux, Switzerland (1998)
	Clough, R. and J. Simmons, "Theory of Acoustic Emission," Metallurgy Division, national Bureau of Standards. (no date).
	Fritton, et al., "Whole-Body Vibration in the Skeleton: Development of a Resonance-Based Testing Device," <i>Annals of Biomedical Engineering</i> , Vol. 25, pp. 831-839 (1997)
**	Goodship, et al., "Low magnitude high frequency mechanical stimulation of endochondral bone repair" 43 <sup>rd</sup> Annual Meeting Orthopaedic Research Society, vol. 22, Sec. 1, Feb. 9-13 (1997)
	J. Kenwright, et al., "Controlled Mechanical Stimulation in the Treatment of Fibial Fractures," <i>Orthopedics, Clinical Orthopedics and Related Research</i> (1989) 241:36-47
	Jankovich, "The Effects of Mechanical Vibration on Bone Development in the Rat," <i>J. Biomechanics</i> , 1972, Vol. 5, pp. 241-250
	Ko, "Preform Fiber Architecture for Ceramic-Matrix Composites," <i>Ceramic Bulletin</i> , Vol. 68, No. 2, pp. 401-414(1989)
**	McLeod, et al., "Improved Postural Stability Following Short Term Exposure to Low Level Whole Body Vibration," 44 <sup>th</sup> Annual Meeting, Orthopaedic Research Society, March 16-19, 1998, New Orleans, Louisiana, page 89-15
	Newnham, et al., "Connectivity and Piezoelectric-Pyroelectric Composites, <i>Med. Res. Bull.</i> , Vol. 13, pp. 525-536 (1978)
	Pauer, "Flexible Piezoelectric Material," pp. 1-5, (no date)
**	Pilgrim, et al., "An Extension of the Composite Nomenclature Scheme," <i>Med. Res. Bull.</i> , Vol. 22, pp. 877-894 (1987)
	Powell, et al., "A Performance Appraisal of Flexible Array Structures Using a Facet Ensemble Scattering Technique," 1991 <i>Ultrasonic Symposium</i> , pp. 753-766
	Powell, et al., "Flexible Ultrasonic Transducer Arrays for Nondestructive Evaluation Applications – Part I: The Theoretical Modeling Approach," <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , Vol. 43, No. 3, May 1996, pp. 385-392.
	Powell, et al., "Flexible Ultrasonic Transducer Arrays for Nondestructive Evaluation Applications – Part II: Performance Assessment of different Array Configurations," <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , Vol. 43, No. 3, May 1996, pp. 393-402.

Examiner: 	Date Considered: 9-21-06
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	Filing Date: August 9, 2001	Group Art Unit

**OTHER MATERIAL**

Examiner Initial	Including Author, Title, Date, Pertinent Pages, Etc.
	Sarvazyan, "Some General Problems of Biological Action of Ultrasound," IEEE Transactions on Sonics and Ultrasonics, vol. 30, No. 1, Jan. 1983
	Ultrasound as a Tool for Investigating Bone: Fundamental Principles and Perspectives for Use in Osteoporosis, by J. G. Bloch, 1993, Expansion Scientifique Francaise
**	Y. Qin, et al., "Correlation of In Vivo Bone Adaptation and Mechanical Parameters Using Low Magnitude, High Frequency Loading," 41 <sup>st</sup> Annual Meeting Orthopaedic Research Soc., vol. 20 - Sec. 1, Feb. 13-16 (1995)
**	Bascom, "Other Continuous Fibers," 118/Constituent Material Form
**	Bascom, "Other Discontinuous Forms," 120/Constituent Material Forms
**	Cass, "Fabrication of Continuous Ceramic Fiber by the Viscous Suspension Spinning Process," Ceramic Bulletin, Vol. 70, No. 3, pp. 424-429 (1991)
	"Development of Flexible Piezoelectric Transducers and Matching Layers for EXOGEN Incorporated," Final Report, Covering Period 04-01-97 to 02-28-98, Rutgers University.
**	Grewe, et al., "Acoustic Properties of Particle Polymer Composite for Ultrasonic Transducer Backing Applications," IEEE, (1990)
	Grewe, Martha G., "Acoustic Matching And Backing Layer for Medical Ultrasonic Transducers," A Thesis in Solid State Science, The Pennsylvania State University; (May 1989), The Center for Ceramics Research, Rutgers.
	Gururaja, T., "Piezoelectric Composite Materials for Ultrasonic Transducer Applications," A Thesis in Solid State Science, The Pennsylvania State University, May 1984.
	Gururaja, "Piezoelectrics for Medical Ultrasonic Imaging," Am. Ceram. Soc. Bull., Vol. 73, No. 5, pp. 50-55 (May 1994)
	Hall, et al., "The design and evaluation of ultrasonic arrays using 1-3 connectivity composites," SPIE, pp. 216-227, Vol. 1733 (1992)
	Pilla, et al., "Non-Invasive Low-Intensity Pulsed Ultrasound Accelerates Bone Healing in the Rabbit," Journal of Orthopaedic Trauma, Vol. 4, No. 3, pp. 246-253 (1990)
	Safari, "Development of piezoelectric composites for transducers," J. Phys. France, 4:1129-1149 (1994)
	Selfridge, "Approximate Material Properties in Isotropic Materials," IEEE Transactions on Sonics and Ultrasonics, 9May 1985)
	Souquet, et al., "Design of Low-Loss Wide-Band Ultrasonic Transducers for Noninvasive Medical Application," IEEE Transactions on Sonics and Ultrasonics, pp. 75-81, Vol. SU-26, No. 2, March 1979
	Waller, et al., "Poling of Lead Zirconate Titanate Ceramics and Flexible Piezoelectric Composites by the Corona Discharge Technique," J. Am. Ceram. Soc., 72(2):322-24 (1989)
	Winder, Alan, "Synthetic Structural Imaging and Volume Estimation of Biological Tissue Organs," Acoustic Sciences Associates, Dec. 1995.
	Winder, Alan, "Acoustic Emission Monitoring for the Detection, Localization and Classification of Metabolic Bone Disease," Acoustic Sciences Associates, Dec. 1995.
**	Wu and Cubberly, "Measurement of Velocity and Attenuation of Shear Waves in Bovine Compact Bone Using Ultrasonic Spectroscopy," Med. & Biol., Vol. 23, No. 1, 129-134, 1997.
**	Tavakoli and Evans, 1992 (no other information available at this time)

Examiner: 	Date Considered: 9-21-00
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.